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> Nuroum 360 Pro C50S All-in-One Webcam Instruction Manual

Nuroum C50S

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Model: C50S | Brand: Nuroum

1. INTRODUCTION

The Nuroum 360 Pro C50S is an advanced all-in-one webcam system designed to enhance your web conferencing experience. It integrates a 360-degree camera, a multi-directional microphone array, and a high-fidelity speaker into a single, compact device. This system is engineered to provide clear video and audio, making remote meetings feel more natural and engaging. It features AI-powered video modes, automatic focus, and noise cancellation, making it suitable for various meeting environments, from small huddle rooms to medium and large conference spaces.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Nuroum 360 Pro C50S Device x1
- USB Cable x1
- Power Adapter x1
- Remote Control x1
- Instruction Manual x1

3. SETUP GUIDE

Setting up your Nuroum 360 Pro C50S is a straightforward process, designed for plug-and-play convenience.

1. **Connect Power:** Plug the provided power adapter into the DC IN port on the Nuroum 360 Pro C50S, then

connect the adapter to a power outlet.

2. **Connect to PC:** Connect the supplied USB cable to the USB port on the Nuroum 360 Pro C50S and the other end to an available USB port on your computer (USB-C or USB-A compatible).
3. **Device Recognition:** Your computer should automatically recognize the device. No additional driver installation is typically required.
4. **Select Device in Software:** Open your preferred video conferencing application (e.g., Zoom, Teams, Google Meet). In the application's audio and video settings, select "Nuroum 360 Pro C50S" as your camera, microphone, and speaker.

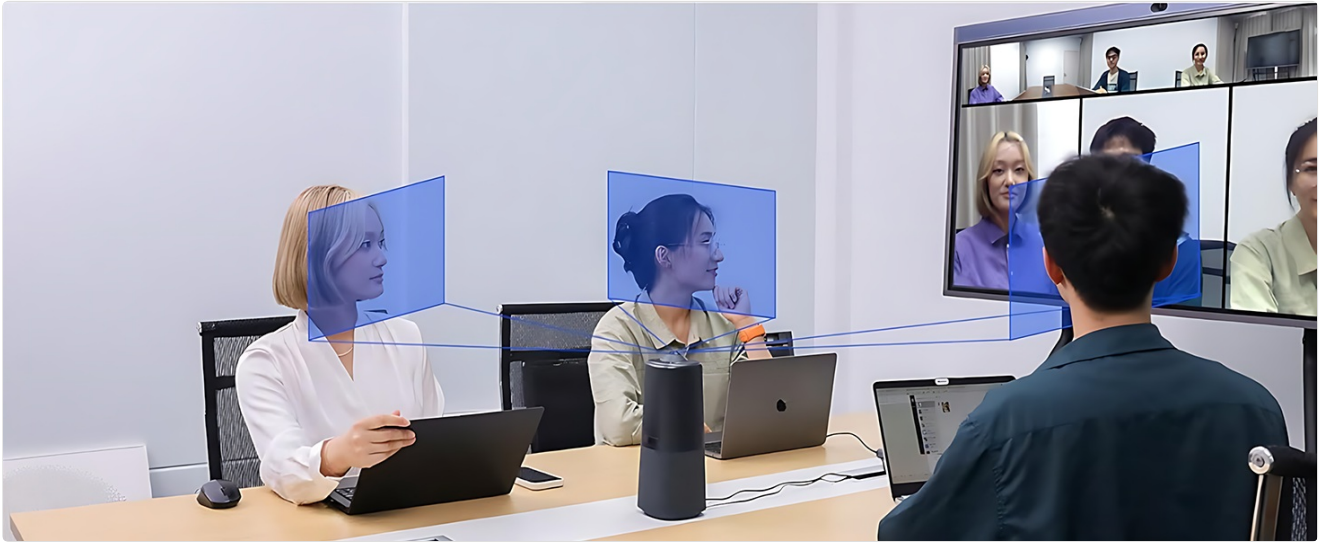


Figure 3.1: Connecting the Nuroum 360 Pro C50S to a computer and power source.

4. OPERATING INSTRUCTIONS

4.1 AI Video Modes

The Nuroum 360 Pro C50S features three AI-powered video display modes to optimize your meeting experience. These modes can be switched using the touch panel on the device or the included remote control.

- **3-Split Mode (Discussion Mode):** This mode emphasizes up to three active participants by displaying them in close-up views, ideal for group discussions.
- **120-Degree Fixed Mode (Global Mode):** Captures a 120-degree field of view, showing the entire meeting space without automatic adjustments.
- **Speaker Tracking Mode (Presentation Mode):** Automatically identifies and highlights the current speaker on screen, ensuring focus on who is talking.

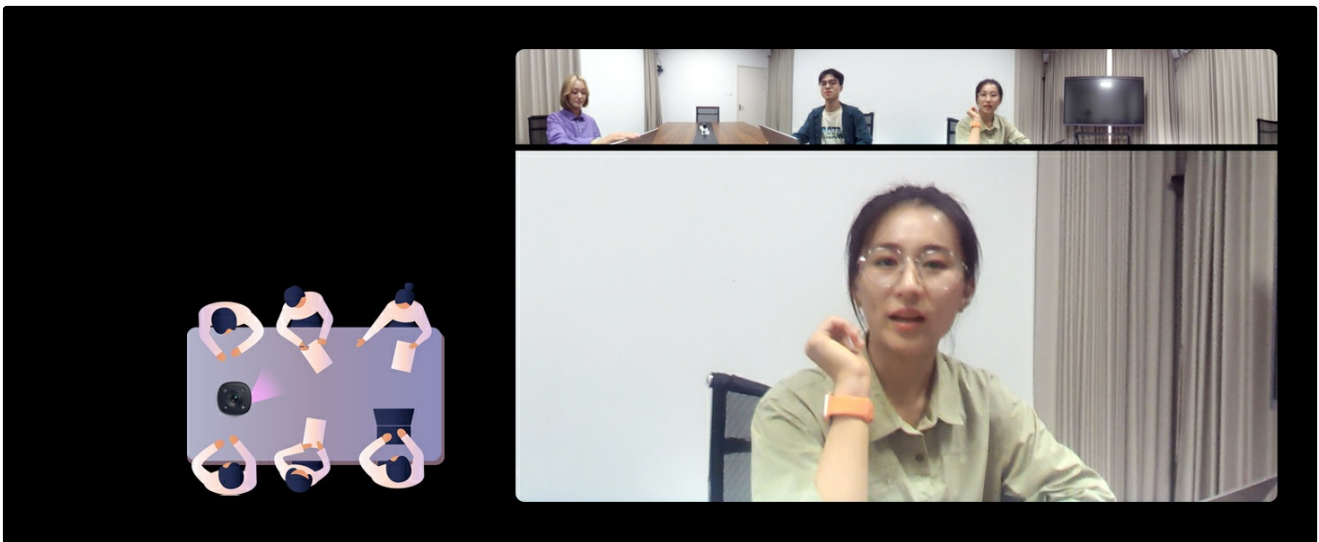


Figure 4.1: Three AI-powered video display modes for various meeting scenarios.

4.2 Audio Features (Microphone & Speaker)

The device is equipped with advanced audio technology for clear communication:

- **6 Omnidirectional Microphones:** Captures sound from all directions within a 5-meter radius.
- **Hi-Fi Speaker:** Delivers clear audio playback, making remote participants sound as if they are in the same room.
- **AI Noise Suppression:** Minimizes background noise such as air conditioning or keyboard typing.
- **Echo Cancellation:** Reduces echo for clearer conversations.
- **Automatic Gain Control (AGC):** Adjusts microphone sensitivity to ensure consistent volume levels for all speakers.
- **Full-Duplex Audio:** Allows natural, simultaneous two-way conversation without audio cut-offs.

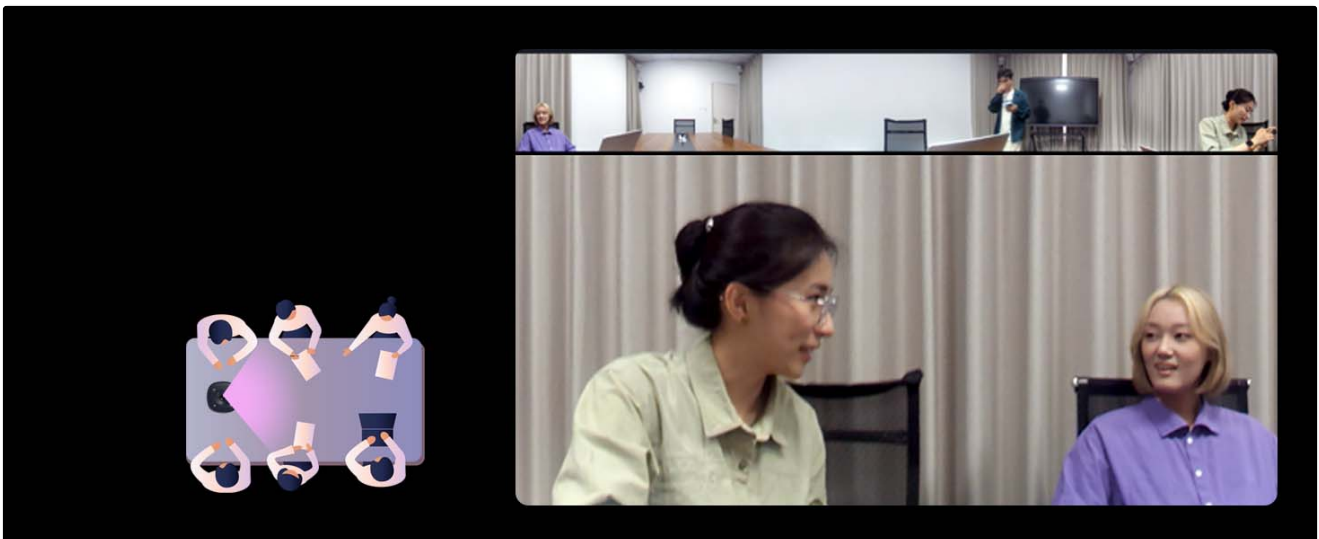


Figure 4.2: Internal components highlighting the microphone array and speaker.

4.3 Remote Control Operation

The included infrared remote control provides convenient access to key functions:

- Power ON/OFF
- Microphone Mute/Unmute
- Speaker Volume Adjustment
- Switching between AI Video Modes

- Privacy Shutter control (if applicable)

4.4 Privacy Shutter

For enhanced privacy, the Nuroum 360 Pro C50S includes a privacy shutter feature. When not in use, you can activate the shutter to physically cover the camera lens, ensuring your privacy.

5. PLACEMENT AND USAGE SCENARIOS

The Nuroum 360 Pro C50S is designed for flexible placement to suit various meeting room configurations.

- **Tabletop Placement:** Place the device in the center of your conference table to capture all participants with its 360-degree camera.
- **Tripod Mounting:** The base of the device includes a 1/4-inch screw hole, allowing it to be mounted on a standard tripod for elevated positioning if required.

This device is optimized for medium to large conference rooms, ensuring that all participants are clearly visible and audible to remote attendees, fostering a more inclusive meeting environment.



Figure 5.1: Recommended placement for optimal 360-degree coverage and audio pickup in various room sizes.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Nuroum 360 Pro C50S, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners, aerosols, or abrasive solvents.
- **Lens Care:** Gently wipe the camera lens with a microfiber cloth specifically designed for optics. Avoid touching the lens with your fingers.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Obstructions:** Ensure that the microphone array and speaker grilles are not obstructed by any objects

during operation.

7. TROUBLESHOOTING

If you encounter issues with your Nuroum 360 Pro C50S, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device not recognized by PC	Loose cable connection, USB port issue, software conflict.	Ensure USB and power cables are securely connected. Try a different USB port. Restart your computer. Check device manager for driver status.
No video or black screen	Camera not selected in software, privacy shutter active, insufficient lighting.	Verify the Nuroum 360 Pro C50S is selected as the camera in your conferencing software. Check if the privacy shutter is open. Ensure adequate lighting in the room.
No audio or poor audio quality	Microphone/speaker not selected, volume too low, obstructions.	Confirm the Nuroum 360 Pro C50S is selected as the microphone and speaker in your software. Adjust volume levels. Ensure microphones and speaker grilles are not blocked.
AI modes not functioning correctly	Software settings, environmental factors.	Ensure the device firmware is up to date. Check for clear line of sight for speaker tracking. Avoid rapid movements or multiple simultaneous speakers for optimal performance.

8. SPECIFICATIONS

Feature	Detail
Brand	Nuroum
Model Number	C50S
Camera Type	Webcam (360-degree)
Photo Sensor Technology	CMOS
Video Capture Format	MPEG
Connectivity Technology	USB
Color	Dark Gray
Special Features	AI Video Mode, Auto Focus, Noise Cancelling

Feature	Detail
Focal Length (Max/Min)	1.21 mm
Image Stabilization	No
Form Factor	Compact
Microphone Range	Up to 5 meters (omnidirectional)
Compatibility	Windows, macOS, Linux; Zoom, Teams, Google Meet, GoToMeeting, Skype, Webex
Origin	China

9. WARRANTY AND SUPPORT

The Nuroum 360 Pro C50S comes with a **one-year quality warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance standards.

For any questions, technical assistance, or warranty claims, please do not hesitate to contact our customer support team. Our **7*24 hour service team** is available to assist you with any inquiries you may have.

Please retain your proof of purchase for warranty validation.